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SUBSTITUTE SPECIFICATION

FLAT PANEL DISPLAY

BACKGROUND OF THE INVENTION

(a) Field of the Invention

The present invention relates to a flat panel display and, more particularly, to a flat panel display which has spacers for maintaining the cell gap in a constant manner.

(b) Description of the Related Art

Generally, flat panel displays (FPDs) have a faceplate, a backplate, and a side wall that are combined together to form a vacuum tight cell. The vacuum degree of the cell is established to be about 10^{-7} torr.

In such a flat panel display, compared to other display devices, it is difficult to constantly maintain the cell gap due to the difference between the internal pressure and the external atmospheric pressure. For this reason, one or more spacers are provided within the cell to maintain the cell gap in a constant manner.

U. S. Patent No. 5,650,690 or 5,543,683 discloses a method of fabricating a field emission display that has a gripper disposed on the faceplate, a locator disposed on the backplate, and a spacer wall interposed between the gripper and the locator. The spacer wall for securing the internal space of the device is formed with ceramic or glass, and interposed between the faceplate and the backplate via the gripper and the locator.